

10539531

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1612bxr

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

| | | | | |
|------|----|-----|----|---|
| NEWS | 1 | | | Web Page for STN Seminar Schedule - N. America |
| NEWS | 2 | OCT | 02 | CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt |
| NEWS | 3 | OCT | 19 | BEILSTEIN updated with new compounds |
| NEWS | 4 | NOV | 15 | Derwent Indian patent publication number format enhanced |
| NEWS | 5 | NOV | 19 | WPIX enhanced with XML display format |
| NEWS | 6 | NOV | 30 | ICSD reloaded with enhancements |
| NEWS | 7 | DEC | 04 | LINPADOCDB now available on STN |
| NEWS | 8 | DEC | 14 | BEILSTEIN pricing structure to change |
| NEWS | 9 | DEC | 17 | USPATOLD added to additional database clusters |
| NEWS | 10 | DEC | 17 | IMSDRUGCONF removed from database clusters and STN |
| NEWS | 11 | DEC | 17 | DGENE now includes more than 10 million sequences |
| NEWS | 12 | DEC | 17 | TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment |
| NEWS | 13 | DEC | 17 | MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary |
| NEWS | 14 | DEC | 17 | CA/CAPplus enhanced with new custom IPC display formats |
| NEWS | 15 | DEC | 17 | STN Viewer enhanced with full-text patent content from USPATOLD |
| NEWS | 16 | JAN | 02 | STN pricing information for 2008 now available |
| NEWS | 17 | JAN | 16 | CAS patent coverage enhanced to include exemplified prophetic substances |
| NEWS | 18 | JAN | 28 | USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats |
| NEWS | 19 | JAN | 28 | MARPAT searching enhanced |
| NEWS | 20 | JAN | 28 | USGENE now provides USPTO sequence data within 3 days of publication |
| NEWS | 21 | JAN | 28 | TOXCENTER enhanced with reloaded MEDLINE segment |
| NEWS | 22 | JAN | 28 | MEDLINE and LMEDLINE reloaded with enhancements |
| NEWS | 23 | FEB | 08 | STN Express, Version 8.3, now available |
| NEWS | 24 | FEB | 20 | PCI now available as a replacement to DPCI |
| NEWS | 25 | FEB | 25 | IFIREF reloaded with enhancements |
| NEWS | 26 | FEB | 25 | IMSPRODUCT reloaded with enhancements |
| NEWS | 27 | FEB | 29 | WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification |

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS STN Operating Hours Plus Help Desk Availability

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NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:31:31 ON 12 MAR 2008

| | | |
|----------------------|------------|---------|
| => file reg | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 17:32:06 ON 12 MAR 2008
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STRUCTURE FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6
DICTIONARY FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\bvgfhty.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

Updated Search

10539531

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 17:34:39 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 103 TO ITERATE

100.0% PROCESSED 103 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1452 TO 2668

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 17:34:43 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2516 TO ITERATE

100.0% PROCESSED 2516 ITERATIONS

5 ANSWERS

SEARCH TIME: 00.00.01

L3 5 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

179.74

179.95

FILE 'HCAPLUS' ENTERED AT 17:34:46 ON 12 MAR 2008

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FILE COVERS 1907 - 12 Mar 2008 VOL 148 ISS 11

FILE LAST UPDATED: 11 Mar 2008 (20080311/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

Updated Search

10539531

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 1 L3

=> d 14, ibib abs hitstr, 1

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:566537 HCAPLUS

DOCUMENT NUMBER: 141:123568

TITLE: Preparation of tetrahydropyridine derivatives as mitotic kinesin inhibitors

INVENTOR(S): Fraley, Mark E.; Garbaccio, Robert M.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 70 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

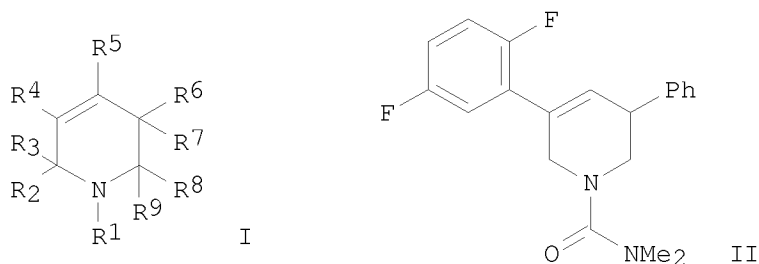
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

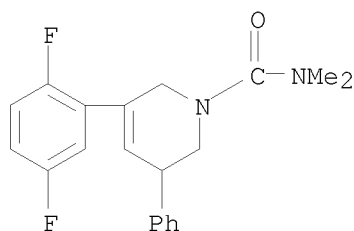
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|------------|
| WO 2004058148 | A2 | 20040715 | WO 2003-US40126 | 20031216 |
| WO 2004058148 | A3 | 20040916 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| RW: | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| CA 2509212 | A1 | 20040715 | CA 2003-2509212 | 20031216 |
| AU 2003297230 | A1 | 20040722 | AU 2003-297230 | 20031216 |
| EP 1581497 | A2 | 20051005 | EP 2003-814073 | 20031216 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | |
| JP 2006516140 | T | 20060622 | JP 2004-563641 | 20031216 |
| US 2006058327 | A1 | 20060316 | US 2005-539531 | 20050617 |
| PRIORITY APPLN. INFO.: | | | US 2002-435102P | P 20021220 |
| | | | WO 2003-US40126 | W 20031216 |
| OTHER SOURCE(S): | MARPAT 141:123568 | | | |
| GI | | | | |

Updated Search

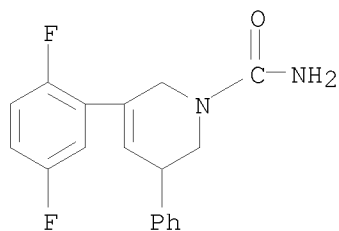


- AB The title compds. I [R1 = (C1-C6-alkylene)_n-X-R, (n = 0 or 1; X = CO, SO₂, NH, etc.; R = (cyclo)alkyl, alkenyl, alkynyl, aryl, amino group, etc.), aryl, heterocyclyl, or alkyl; R2, R3, R6, R8, R9 = H, carboxyalkyl, O-perfluoroalkyl, oxo, OH, halo, CN, etc.; R4, R7 = (substituted)(cyclo)alkyl, (substituted)aryl, (substituted)heterocyclyl; R5 = H, alkyl, alkenyl, alkynyl, CN, halo, COOH, alkylamino, alkylhydroxyl] were prepared for treating cellular proliferative diseases, and disorders associated with KSP kinesin activity, and for inhibiting KSP kinesin. For example, compound II was prepared in a multi-step synthesis starting from 2-amino-1-phenethanol. The compound of the invention was found to have kinase inhibitory activity with IC₅₀ ≤ 15 μM in the kinesin ATPase In Vitro assay.
- IT 723335-80-6P 723335-85-1P 723335-93-1P
723335-94-2P 723335-99-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of tetrahydropyridine derivs. as mitotic kinesin inhibitors)
- RN 723335-80-6 HCAPLUS
- CN 1(2H)-Pyridinecarboxamide, 5-(2,5-difluorophenyl)-3,6-dihydro-N,N-dimethyl-3-phenyl- (CA INDEX NAME)

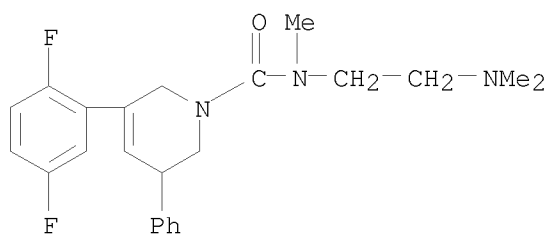


- RN 723335-85-1 HCAPLUS
- CN 1(2H)-Pyridinecarboxamide, 5-(2,5-difluorophenyl)-3,6-dihydro-3-phenyl- (CA INDEX NAME)

10539531



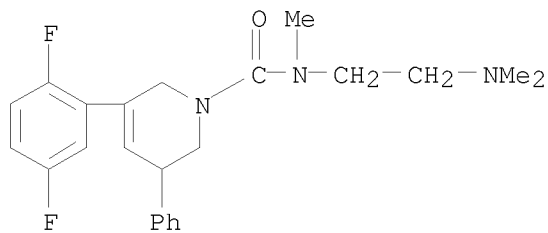
RN 723335-93-1 HCAPLUS
CN 1(2H)-Pyridinecarboxamide, 5-(2,5-difluorophenyl)-N-[2-(dimethylamino)ethyl]-3,6-dihydro-N-methyl-3-phenyl- (CA INDEX NAME)



RN 723335-94-2 HCAPLUS
CN 1(2H)-Pyridinecarboxamide, 5-(2,5-difluorophenyl)-N-[2-(dimethylamino)ethyl]-3,6-dihydro-N-methyl-3-phenyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 723335-93-1
CMF C23 H27 F2 N3 O

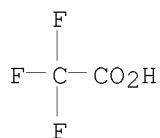


CM 2

CRN 76-05-1
CMF C2 H F3 O2

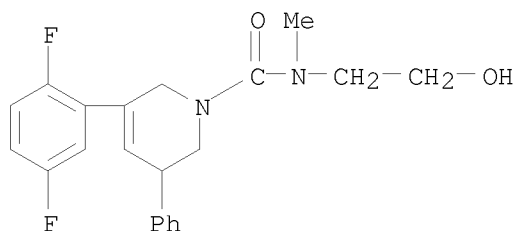
Updated Search

10539531



RN 723335-99-7 HCAPLUS

CN 1(2H)-Pyridinecarboxamide, 5-(2,5-difluorophenyl)-3,6-dihydro-N-(2-hydroxyethyl)-N-methyl-3-phenyl- (CA INDEX NAME)



=> file caold

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |

FULL ESTIMATED COST

| | |
|-------|--------|
| 10.83 | 190.78 |
|-------|--------|

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |

CA SUBSCRIBER PRICE

| | |
|-------|-------|
| -0.80 | -0.80 |
|-------|-------|

FILE 'CAOLD' ENTERED AT 17:35:50 ON 12 MAR 2008

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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=> d his

Updated Search

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(FILE 'HOME' ENTERED AT 17:31:31 ON 12 MAR 2008)

FILE 'REGISTRY' ENTERED AT 17:32:06 ON 12 MAR 2008

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 5 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:34:46 ON 12 MAR 2008

L4 1 S L3

FILE 'CAOLD' ENTERED AT 17:35:50 ON 12 MAR 2008

=> s l3

L5 0 L3

=> file reg

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 0.46 | 191.24 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -0.80 |

FILE 'REGISTRY' ENTERED AT 17:35:57 ON 12 MAR 2008

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STRUCTURE FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6

DICTIONARY FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\sdfsd.str

L6 STRUCTURE UPLOADED

=> file caold

| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
|----------------------|------------|-------|
|----------------------|------------|-------|

Updated Search

10539531

| | ENTRY | SESSION |
|--|------------|---------|
| FULL ESTIMATED COST | 1.38 | 192.62 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| CA SUBSCRIBER PRICE | ENTRY | SESSION |
| | 0.00 | -0.80 |

FILE 'CAOLD' ENTERED AT 17:37:54 ON 12 MAR 2008
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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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=> d his

(FILE 'HOME' ENTERED AT 17:31:31 ON 12 MAR 2008)

FILE 'REGISTRY' ENTERED AT 17:32:06 ON 12 MAR 2008

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 5 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:34:46 ON 12 MAR 2008

L4 1 S L3

FILE 'CAOLD' ENTERED AT 17:35:50 ON 12 MAR 2008

L5 0 S L3

FILE 'REGISTRY' ENTERED AT 17:35:57 ON 12 MAR 2008

L6 STRUCTURE UPLOADED

FILE 'CAOLD' ENTERED AT 17:37:54 ON 12 MAR 2008

=> s l3

L7 0 L3

=> file reg

| | SINCE FILE | TOTAL |
|----------------------|------------|---------|
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.46 | 193.08 |

Updated Search

10539531

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| CA SUBSCRIBER PRICE | 0.00 | -0.80 |

FILE 'REGISTRY' ENTERED AT 17:38:01 ON 12 MAR 2008
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STRUCTURE FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6
DICTIONARY FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when
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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\brobinson1\My
Documents\stnweb\Queries\asdfnbghyt.str

L8 STRUCTURE UPLOADED

=> s l8

SAMPLE SEARCH INITIATED 17:39:26 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5162 TO ITERATE

38.7% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 98932 TO 107548
PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

=> s l8 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:39:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 103212 TO ITERATE

Updated Search

10539531

100.0% PROCESSED 103212 ITERATIONS
SEARCH TIME: 00.00.02

5 ANSWERS

L10 5 SEA SSS FUL L8

=> d his

(FILE 'HOME' ENTERED AT 17:31:31 ON 12 MAR 2008)

FILE 'REGISTRY' ENTERED AT 17:32:06 ON 12 MAR 2008

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 5 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:34:46 ON 12 MAR 2008

L4 1 S L3

FILE 'CAOLD' ENTERED AT 17:35:50 ON 12 MAR 2008

L5 0 S L3

FILE 'REGISTRY' ENTERED AT 17:35:57 ON 12 MAR 2008

L6 STRUCTURE UPLOADED

FILE 'CAOLD' ENTERED AT 17:37:54 ON 12 MAR 2008

L7 0 S L3

FILE 'REGISTRY' ENTERED AT 17:38:01 ON 12 MAR 2008

L8 STRUCTURE UPLOADED

L9 0 S L8

L10 5 S L8 FULL

=> s l10 l3

MISSING OPERATOR

=> s l10 nto l13

L13 NOT FOUND

The L-number entered could not be found. To see the definition of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s l10 not l13

L13 NOT FOUND

The L-number entered could not be found. To see the definition of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s l10 not l13

L13 NOT FOUND

The L-number entered could not be found. To see the definition of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> file hcaplus l10

'L10' IS NOT A VALID FILE NAME

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

ENTER A FILE NAME OR (IGNORE):end

Updated Search

10539531

=> file hcaplus

| | | |
|--|------------|---------|
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 179.74 | 372.82 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -0.80 |

FILE 'HCAPLUS' ENTERED AT 17:40:28 ON 12 MAR 2008
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FILE COVERS 1907 - 12 Mar 2008 VOL 148 ISS 11
FILE LAST UPDATED: 11 Mar 2008 (20080311/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 17:31:31 ON 12 MAR 2008)

FILE 'REGISTRY' ENTERED AT 17:32:06 ON 12 MAR 2008

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 5 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:34:46 ON 12 MAR 2008

L4 1 S L3

FILE 'CAOLD' ENTERED AT 17:35:50 ON 12 MAR 2008

L5 0 S L3

FILE 'REGISTRY' ENTERED AT 17:35:57 ON 12 MAR 2008

L6 STRUCTURE UPLOADED

FILE 'CAOLD' ENTERED AT 17:37:54 ON 12 MAR 2008

L7 0 S L3

FILE 'REGISTRY' ENTERED AT 17:38:01 ON 12 MAR 2008

Updated Search

10539531

L8 STRUCTURE UPLOADED
L9 0 S L8
L10 5 S L8 FULL

FILE 'HCAPLUS' ENTERED AT 17:40:28 ON 12 MAR 2008

=> s l10

L11 1 L10

=> d l11, ibib abs hitstr, 1

L11 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:566537 HCAPLUS

DOCUMENT NUMBER: 141:123568

TITLE: Preparation of tetrahydropyridine derivatives as
 mitotic kinesin inhibitors

INVENTOR(S): Fraley, Mark E.; Garbaccio, Robert M.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 70 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

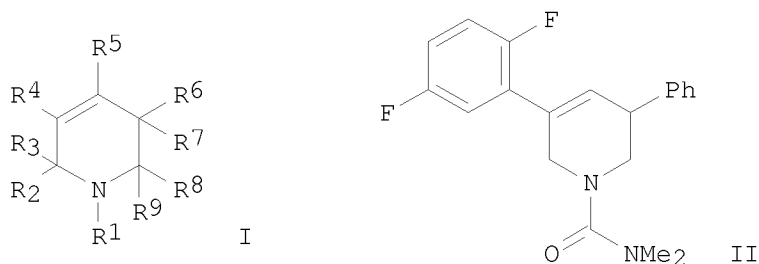
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|---|----------|-----------------|------------|
| ----- | --- | ----- | ----- | ----- |
| WO 2004058148 | A2 | 20040715 | WO 2003-US40126 | 20031216 |
| WO 2004058148 | A3 | 20040916 | | |
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| CA 2509212 | A1 | 20040715 | CA 2003-2509212 | 20031216 |
| AU 2003297230 | A1 | 20040722 | AU 2003-297230 | 20031216 |
| EP 1581497 | A2 | 20051005 | EP 2003-814073 | 20031216 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | |
| JP 2006516140 | T | 20060622 | JP 2004-563641 | 20031216 |
| US 2006058327 | A1 | 20060316 | US 2005-539531 | 20050617 |
| PRIORITY APPLN. INFO.: | | | US 2002-435102P | P 20021220 |
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| OTHER SOURCE(S): | MARPAT 141:123568 | | | |
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Updated Search

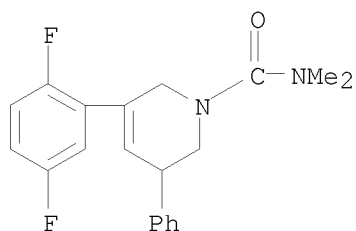


AB The title compds. I [R1 = (C1-C6-alkylene)_n-X-R, (n = 0 or 1; X = CO, SO₂, NH, etc.; R = (cyclo)alkyl, alkenyl, alkynyl, aryl, amino group, etc.), aryl, heterocyclyl, or alkyl; R2, R3, R6, R8, R9 = H, carboxyalkyl, O-perfluoroalkyl, oxo, OH, halo, CN, etc.; R4, R7 = (substituted)(cyclo)alkyl, (substituted)aryl, (substituted)heterocyclyl; R5 = H, alkyl, alkenyl, alkynyl, CN, halo, COOH, alkylamino, alkylhydroxyl] were prepared for treating cellular proliferative diseases, and disorders associated with KSP kinesin activity, and for inhibiting KSP kinesin. For example, compound II was prepared in a multi-step synthesis starting from 2-amino-1-phenethanol. The compound of the invention was found to have kinase inhibitory activity with IC₅₀ ≤ 15 μM in the kinesin ATPase In Vitro assay.

IT 723335-80-6P 723335-85-1P 723335-93-1P
723335-94-2P 723335-99-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of tetrahydropyridine derivs. as mitotic kinesin inhibitors)

RN 723335-80-6 HCAPLUS

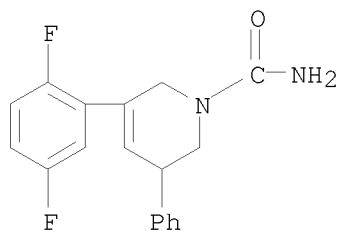
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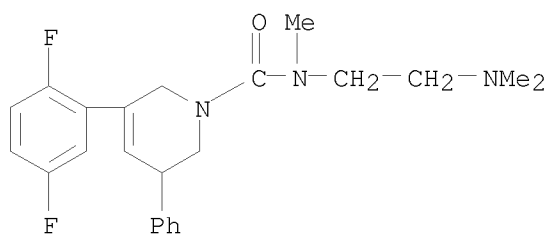
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10539531



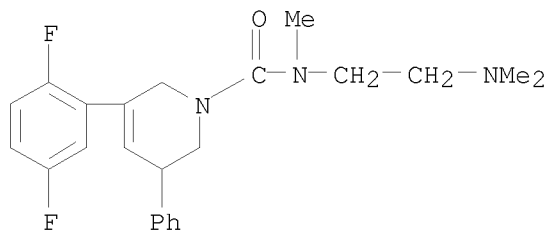
RN 723335-93-1 HCAPLUS
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RN 723335-94-2 HCAPLUS
CN 1(2H)-Pyridinecarboxamide, 5-(2,5-difluorophenyl)-N-[2-(dimethylamino)ethyl]-3,6-dihydro-N-methyl-3-phenyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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CRN 723335-93-1
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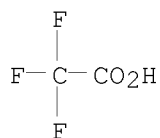


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CMF C2 H F3 O2

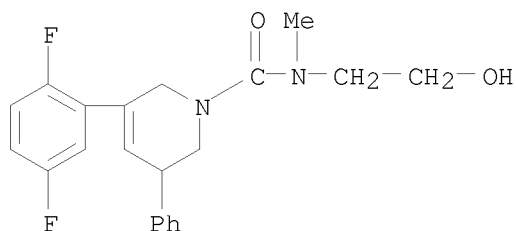
Updated Search

10539531



RN 723335-99-7 HCAPLUS

CN 1(2H)-Pyridinecarboxamide, 5-(2,5-difluorophenyl)-3,6-dihydro-N-(2-hydroxyethyl)-N-methyl-3-phenyl- (CA INDEX NAME)



=> file caold

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |

FULL ESTIMATED COST

| | |
|-------|--------|
| 13.52 | 386.34 |
|-------|--------|

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |

CA SUBSCRIBER PRICE

| | |
|-------|-------|
| -0.80 | -1.60 |
|-------|-------|

FILE 'CAOLD' ENTERED AT 17:42:17 ON 12 MAR 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

Updated Search

10539531

(FILE 'HOME' ENTERED AT 17:31:31 ON 12 MAR 2008)

FILE 'REGISTRY' ENTERED AT 17:32:06 ON 12 MAR 2008

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 5 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:34:46 ON 12 MAR 2008

L4 1 S L3

FILE 'CAOLD' ENTERED AT 17:35:50 ON 12 MAR 2008

L5 0 S L3

FILE 'REGISTRY' ENTERED AT 17:35:57 ON 12 MAR 2008

L6 STRUCTURE UPLOADED

FILE 'CAOLD' ENTERED AT 17:37:54 ON 12 MAR 2008

L7 0 S L3

FILE 'REGISTRY' ENTERED AT 17:38:01 ON 12 MAR 2008

L8 STRUCTURE UPLOADED
L9 0 S L8
L10 5 S L8 FULL

FILE 'HCAPLUS' ENTERED AT 17:40:28 ON 12 MAR 2008

L11 1 S L10

FILE 'CAOLD' ENTERED AT 17:42:17 ON 12 MAR 2008

=> s l10

L12 0 L10

=> file reg

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 0.46 | 386.80 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -1.60 |

FILE 'REGISTRY' ENTERED AT 17:42:24 ON 12 MAR 2008

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6

DICTIONARY FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Updated Search

10539531

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\asdfdc.str

L13 STRUCTURE UPLOADED

=> s l13

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38.7% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 98932 TO 107548
PROJECTED ANSWERS: 0 TO 0

L14 0 SEA SSS SAM L13

=> s l13 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:t
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:54:44 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 103212 TO ITERATE

100.0% PROCESSED 103212 ITERATIONS 15 ANSWERS
SEARCH TIME: 00.00.02

L15 15 SEA SSS FUL L13

=> d his

(FILE 'HOME' ENTERED AT 17:31:31 ON 12 MAR 2008)

FILE 'REGISTRY' ENTERED AT 17:32:06 ON 12 MAR 2008

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 5 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:34:46 ON 12 MAR 2008

L4 1 S L3

FILE 'CAOLD' ENTERED AT 17:35:50 ON 12 MAR 2008

Updated Search

10539531

L5 0 S L3

L6 FILE 'REGISTRY' ENTERED AT 17:35:57 ON 12 MAR 2008
STRUCTURE UPLOADED

L7 FILE 'CAOLD' ENTERED AT 17:37:54 ON 12 MAR 2008
0 S L3

L8 FILE 'REGISTRY' ENTERED AT 17:38:01 ON 12 MAR 2008
STRUCTURE UPLOADED

L9 0 S L8
L10 5 S L8 FULL

L11 FILE 'HCAPLUS' ENTERED AT 17:40:28 ON 12 MAR 2008
1 S L10

L12 FILE 'CAOLD' ENTERED AT 17:42:17 ON 12 MAR 2008
0 S L10

L13 FILE 'REGISTRY' ENTERED AT 17:42:24 ON 12 MAR 2008
STRUCTURE UPLOADED

L14 0 S L13
L15 15 S L13 FULL

=> s l15 not l3
L16 10 L15 NOT L3

| | | |
|--|------------|---------|
| => file hcaplus | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 187.56 | 574.36 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -1.60 |

FILE 'HCAPLUS' ENTERED AT 17:54:57 ON 12 MAR 2008
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FILE COVERS 1907 - 12 Mar 2008 VOL 148 ISS 11
FILE LAST UPDATED: 11 Mar 2008 (20080311/ED)

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Updated Search

10539531

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L17 4 L16

=> s l17 and fraley, m?/au

103 FRALEY, M?/AU

L18 1 L17 AND FRALEY, M?/AU

=> d l18, ibib abs hitstr, 1

L18 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:565201 HCAPLUS

DOCUMENT NUMBER: 141:123564

TITLE: Preparation of tetrahydropyridine derivatives as mitotic kinesin inhibitors

INVENTOR(S): Fraley, Mark E.; Garbaccio, Robert M.; Olson, Christy M.; Tasber, Edward S.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 75 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

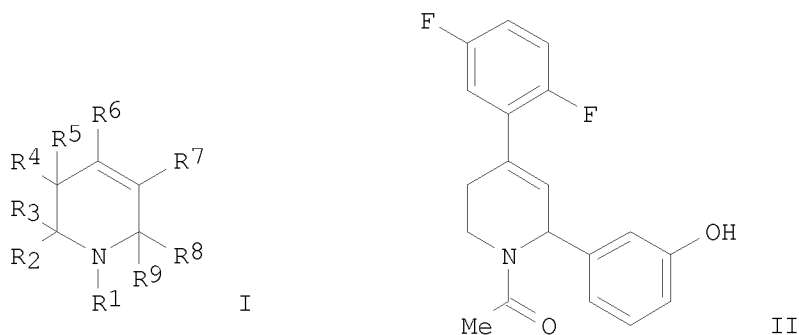
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|------------|
| WO 2004058700 | A2 | 20040715 | WO 2003-US40256 | 20031216 |
| WO 2004058700 | A3 | 20041014 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
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| CA 2508956 | A1 | 20040715 | CA 2003-2508956 | 20031216 |
| AU 2003299672 | A1 | 20040722 | AU 2003-299672 | 20031216 |
| EP 1578724 | A2 | 20050928 | EP 2003-799957 | 20031216 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | |
| JP 2006516142 | T | 20060622 | JP 2004-563694 | 20031216 |
| US 2006052611 | A1 | 20060309 | US 2005-539512 | 20050617 |
| PRIORITY APPLN. INFO.: | | | US 2002-435339P | P 20021220 |
| | | | WO 2003-US40256 | W 20031216 |
| OTHER SOURCE(S): | MARPAT 141:123564 | | | |
| GI | | | | |

Updated Search

10539531



AB The title compds. I [R1 = (C1-C6-alkylene)n-X-R, (n = 0 or 1; X = CO, SO₂, NH, etc.; R = (cyclo)alkyl, alkenyl, alkynyl, aryl, amino group, etc.), aryl, heterocyclyl, or alkyl; R2, R3, R4, R5, R9 = H, carboxyalkyl, O-perfluoroalkyl, oxo, OH, halo, CN, etc.; R6, R8 = (substituted)(cyclo)alkyl, (substituted)aryl, (substituted)heterocyclyl; R7 = H, alkyl, alkenyl, alkynyl, CN, halo, COOH, etc.] were prepared for treating cellular proliferative diseases, and disorders associated with KSP kinesin activity, and for inhibiting KSP kinesin. For example, compound II was prepared in a multi-step synthesis starting from 4-methoxypyridine. The latter showed kinase inhibitory activity with IC₅₀ ≤ 15 μM in the kinesin ATPase In Vitro assay.

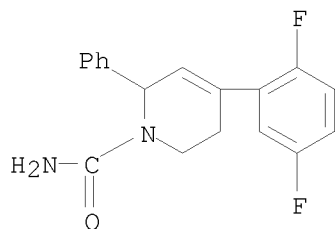
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723342-15-2P 723342-28-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of tetrahydropyridine derivs. as mitotic kinesin inhibitors)

RN 723342-07-2 HCAPLUS

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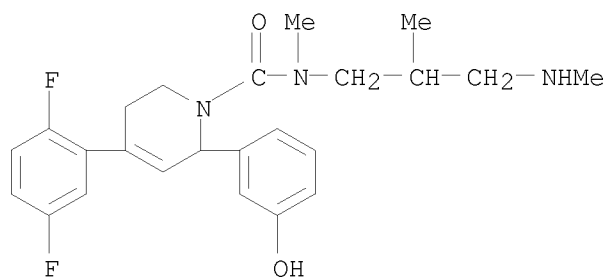


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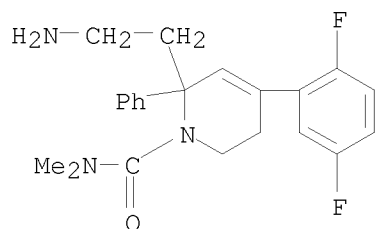
Updated Search

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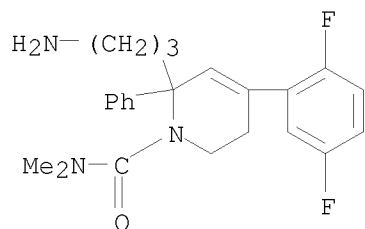
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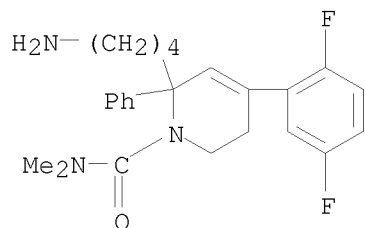
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RN 723342-12-9 HCAPLUS

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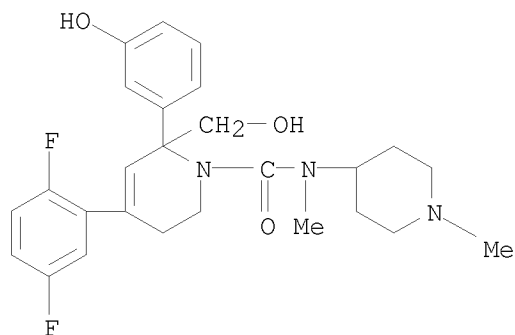


Updated Search

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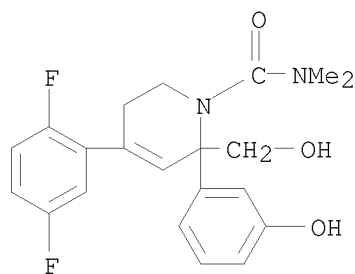
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RN 723342-15-2 HCAPLUS

CN 1(2H)-Pyridinecarboxamide, 4-(2,5-difluorophenyl)-5,6-dihydro-2-(hydroxymethyl)-2-(3-hydroxyphenyl)-N,N-dimethyl- (CA INDEX NAME)



RN 723342-28-7 HCAPLUS

CN 1(2H)-Pyridinecarboxamide, 4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-N-methyl-N-[2-methyl-3-(methylamino)propyl]-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

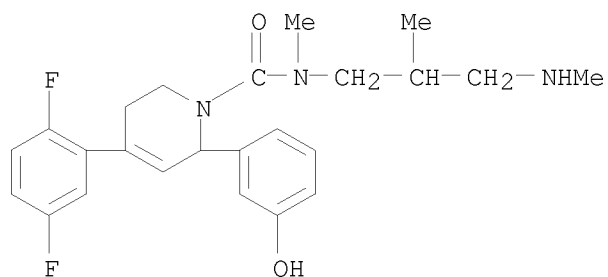
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Updated Search

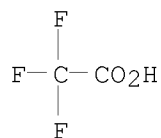
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



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FILE 'REGISTRY' ENTERED AT 17:32:06 ON 12 MAR 2008

L1 STRUCTURE UPLOADED

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L3 5 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 17:34:46 ON 12 MAR 2008

L4 1 S L3

FILE 'CAOLD' ENTERED AT 17:35:50 ON 12 MAR 2008

L5 0 S L3

FILE 'REGISTRY' ENTERED AT 17:35:57 ON 12 MAR 2008

L6 STRUCTURE UPLOADED

FILE 'CAOLD' ENTERED AT 17:37:54 ON 12 MAR 2008

L7 0 S L3

FILE 'REGISTRY' ENTERED AT 17:38:01 ON 12 MAR 2008

L8 STRUCTURE UPLOADED

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FILE 'HCAPLUS' ENTERED AT 17:40:28 ON 12 MAR 2008

L11 1 S L10

Updated Search

10539531

FILE 'CAOLD' ENTERED AT 17:42:17 ON 12 MAR 2008
L12 0 S L10

FILE 'REGISTRY' ENTERED AT 17:42:24 ON 12 MAR 2008
L13 STRUCTURE UPLOADED
L14 0 S L13
L15 15 S L13 FULL
L16 10 S L15 NOT L3

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L18 1 S L17 AND FRALEY, M?/AU

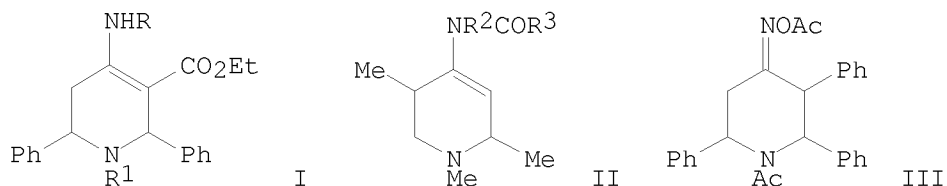
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L19 3 L17 NOT L18

=> s l19 and garbaccio, r?/au
53 GARBACCIO, R?/AU
L20 0 L19 AND GARBACCIO, R?/AU

=> d l19, ibib abs hitstr, 103
3 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):end

=> d l19, ibib abs hitstr, 1-3

L19 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1991:535888 HCAPLUS
DOCUMENT NUMBER: 115:135888
TITLE: Synthesis and fungicidal activity of substituted
4-aminopiperidines and 4-aminotetrahydropyridines
AUTHOR(S): Mandal, T. K.; Mobio, I. G.; Kuznetsov, V. V.;
Litvinov, A. Zh.; Denisov, E. N.; Fedorov, V. O.;
Andreeva, E. I.; Soldatenkov, A. T.; Prostakov, N. S.
CORPORATE SOURCE: Univ. Druzhby Nar. im. Lumumby, Moscow, USSR
SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1991), 25(6),
28-33
CODEN: KHFZAN; ISSN: 0023-1134
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 115:135888
GI



Updated Search

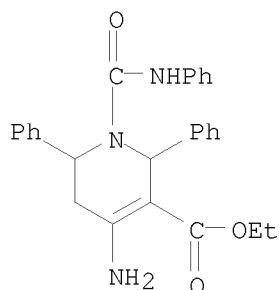
10539531

AB A number of the title derivs., e.g., I (R = H, Ac, COEt; R1 = H, Ac, COEt, CONHPh, CSNHPh), II (R2 = CH2Ph, Ph; R3 = Me, Et, Ph), III were prepared. Their antifungal activity was examined. The tautomerism of I (R = R1 = H) was also studied.

IT 135901-23-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and antifungal activity of)

RN 135901-23-4 HCAPLUS

CN 3-Pyridinecarboxylic acid, 4-amino-1,2,5,6-tetrahydro-2,6-diphenyl-1-[(phenylamino)carbonyl]-, ethyl ester (CA INDEX NAME)



L19 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1990:97889 HCAPLUS

DOCUMENT NUMBER: 112:97889

TITLE: Dissociative ionization of substituted piperidineines

AUTHOR(S): Stashenko, E. E.; Zakharov, P. I.; Kuznetsov, V. B.; Klyavina, I. V.; Kirillova, L. M.; Varlamov, A. V.; Prostakov, N. S.

CORPORATE SOURCE: Univ. Druzhby Nar., Moscow, 117923, USSR

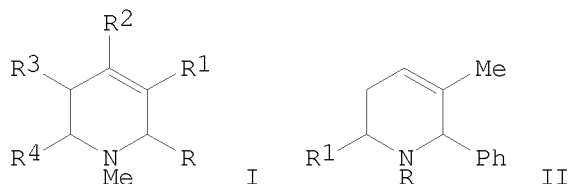
SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1989), (6), 795-800

CODEN: KGSSAQ; ISSN: 0453-8234

DOCUMENT TYPE: Journal

LANGUAGE: Russian

GI



AB Competitive substituent-elimination and retro-Diels-Alder processes were observed in the dissociative ionization of piperidineines I (R = H, Me, Ph; R1 = H, Me; R2 = Ph, o-tolyl; R3 = H, alkyl; R4 = H, Me, Ph) and anabasine

Updated Search

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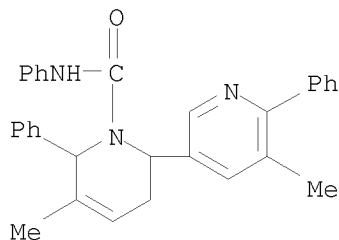
alkaloid analogs II (R = H, alkyl, acetyl, aroyl; R1 = 3-methyl-2-phenyl-5-pyridyl). The retro-Diels-Alder process permits identification of the double-bond location in piperidine isomers.

IT 94987-54-9

RL: PRP (Properties)
(mass spectrum of)

RN 94987-54-9 HCAPLUS

CN [2,3'-Bipyridine]-1(2H)-carboxamide, 3,6-dihydro-5,5'-dimethyl-N,6,6,6'-triphenyl- (9CI) (CA INDEX NAME)



L19 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1985:95874 HCAPLUS

DOCUMENT NUMBER: 102:95874

ORIGINAL REFERENCE NO.: 102:15092h,15093a

TITLE: Phenylation of β -picoline. Isolation and determination of the structure of β -pyridyl- α -dehydropiperidine

AUTHOR(S): Prostakov, N. S.; Habib, Hanna B.; Rezakov, V. A.; Fomichev, A. A.; Kirillova, L. M.; Shevtsov, V. K.

CORPORATE SOURCE: Univ. Druzhby Nar. im. Lumumby, Moscow, 117923, USSR
SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1984), (8), 1115-19

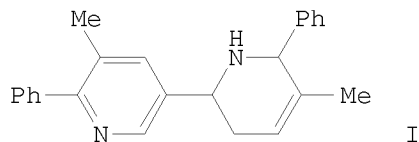
CODEN: KGSSAQ; ISSN: 0453-8234

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 102:95874

GI



AB Treatment of β -picoline by PhLi gave 32% 3-methyl-2-phenylpyridine and 17% anabasine analog I, the mol. structure of which was determined by NMR and mass spectroscopy and chemical transformations.

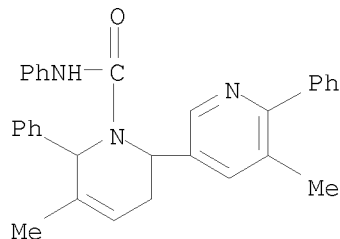
IT 94987-54-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

Updated Search

10539531

RN 94987-54-9 HCAPLUS
CN [2,3'-Bipyridine]-1(2H)-carboxamide, 3,6-dihydro-5,5'-dimethyl-N,6,6,6'-
triphenyl- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 27.18 | 601.54 |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| -3.20 | -4.80 |

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L3 5 S L1 FULL

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L5          0 S L3

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L6          STRUCTURE UPLOADED

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L7          0 S L3

      FILE 'REGISTRY' ENTERED AT 17:38:01 ON 12 MAR 2008
L8          STRUCTURE UPLOADED
L9          0 S L8
L10         5 S L8 FULL

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L14         0 S L13
L15         15 S L13 FULL
L16         10 S L15 NOT L3

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L17         4 S L16
L18         1 S L17 AND FRALEY, M?/AU
L19         3 S L17 NOT L18
L20         0 S L19 AND GARBACCIO, R?/AU

      FILE 'CAOLD' ENTERED AT 17:56:01 ON 12 MAR 2008

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L21         0 L16
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